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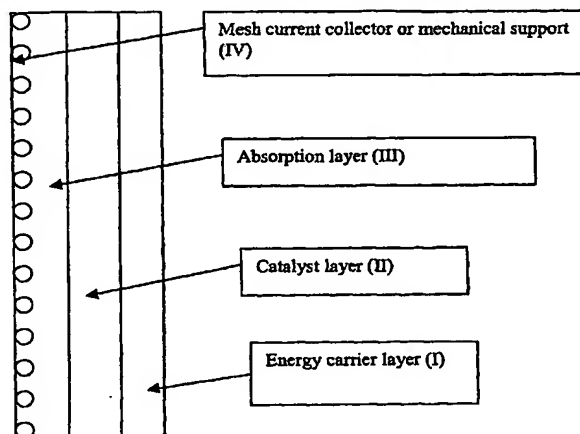
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Figure 1. Illustration of a possible assembly method for the electrode by the use of several sheets with different properties.



(57) Abstract: The invention described concerns an anode electrode comprising a hydrogen storage material/alloy and a high energy density metal. In addition a hydrogen electrocatalyst may be added to increase the hydrogen reaction rate. The high energy density metal is selected from a group consisting of Al, Zn, Mg and Fe, or from a combination of these metals. A method of production of an electrode comprising a hydrogen storage alloy and a high energy density metal is also described. The method comprises sintering or binding a high energy density metal powder and/or hydrogen storage alloy into at least one thin sheet, and calendaring or pressing said sheet forming the electrode. The anode electrode may be used in metal hydride batteries and metal air fuel cells.

WO 2005/038967 A1